

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

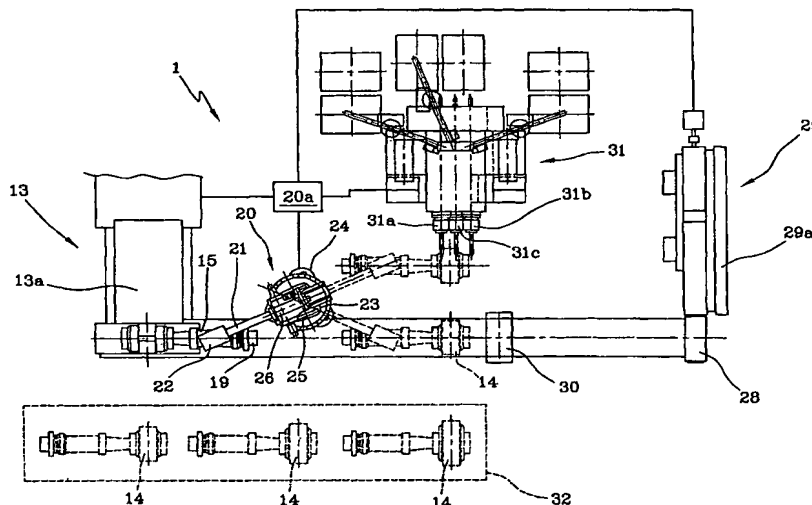
PCT

(10) International Publication Number
WO 2005/011967 A1

- (51) International Patent Classification⁷: **B29D 30/20**, 30/36 (74) Agent: TANSINI, Elio, Fabrizio; c/o Bugnion S.p.A., Viale Lancetti, 17, I-20158 Milano (IT).
- (21) International Application Number: PCT/IT2003/000478 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 30 July 2003 (30.07.2003)
- (25) Filing Language: Italian
- (26) Publication Language: English
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- Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PRODUCING TYRES FOR VEHICLE WHEELS



(57) Abstract: The carcass structure (3) of a tyre (2) is produced on a drum (14) having a proximal half (14a) and a distal half (14b) that can be mutually approached to determine a radial expansion of the carcass ply (10) until bringing it against the belt structure (49) carried by a transfer member (30). The proximal half (14a) is axially integral with a support structure (15) carried by a robotized arm (21) of an actuating unit (20) transmitting an axial movement to the proximal half (14a), while the distal half (14b) carries out a translation following a stroke the amount of which is twice that of the stroke transmitted by the robotized arm (21). The robotized arm transfers the drum (14) to a unit for application of an elongated element to form a tread band (5) on the belt structure (4) and/or a pair of sidewalls (6) at axially external positions on the carcass structure (3).



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